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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	)	
Inventor(s): William Marshall STARK et al.	)	
Appln. No. 10/529,059	)	Group Art Unit: unassigned
Filed: March 24, 2005	)	Examiner: unassigned
Title: MUTANT RECOMBINASES	)	

**INFORMATION DISCLOSURE STATEMENT**

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Sir:

Attached hereto for the Examiner's consideration in the examination of this application is a PTO-149 listing references cited in the International Search Report on the applicants' corresponding PCT application, along with additional documents known to the applicants. Copies of the listed documents are attached. The Examiner is requested to return an initialed copy of the PTO-1449 indicating the Examiner's consideration of the listed documents.

Also attached for the Examiner's information and consideration is a copy of the applicants' International Search Report.

No fee is thought to be required for this submission. However, if any fee is required, please charge to Deposit Account No. 50-0310.

Respectfully submitted,  
MORGAN LEWIS & BOCKIUS LLP

By   
Paul N. Kokulis  
Reg. No. 16773

Date: December 14, 2005

**Customer No. 09629**  
1111 Pennsylvania Avenue, N.W.  
Washington, D.C. 20004  
Phone: (202) 739-3000  
Facsimile: (202) 739-3001  
Direct: (202) 739-5455

FORM PTO-1449 (modified) To: U.S. Department of Commerce (PW FORM PAT-1449) Patent and Trademark Office		Atty. Dkt. No.	M#	Client Ref.
		056646-5024		JEC/BP62910661
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Applicant: William Marshall STARK et al.		
		Appln. No.: 10/529,059		
		Filing Date: March 24, 2005		
		Examiner: unassigned	Group Art Unit: unassigned	
Date: December 14, 2005	Page	1	of	1

U.S. PATENT DOCUMENTS						
Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
AR						
BR						

FOREIGN PATENT DOCUMENTS							English Abstract		Translation Readily Available	
	Document Number	Date MM/YYYY	Country	Inventor Name			Enclosed	No	Enclose	No
CR	1 170 364 A1	01/2002	Europe	Edenhofer et al.	C12N			X		
DR										

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)										
ER	Gravel et al., "Point Mutations in the Integron Integrase InkI1 That Affect Recombination and/or Substrate Recognition", Journal of Bacteriology, 180(20):5437-5442 (Oct. 1998)						X			
FR	Schwikardi et al., "Site-specific recombination in mammalian cells catalyzed by $\gamma\delta$ resolvase mutants" implications for the topology of episomal DNA", FEBS Letters, 471:147-150 (2000)						X			
GR	Arnold et al., "Mutants of Tn3 resolvase which do not require accessory binding sites for recombination activity", The EMBO Journal, 18(5):1407-1414 (1999)						X			
HR	Akopian et al., "Chimeric recombinases with designed DNA sequence recognition", PNAS, 100(15): 8688-8691 (July 22, 2003)						X			
IR	Buchholz et al., "Alteration of Cre recombinase site specificity by substrate-linked protein evolution", Nature Biotechnology, 19(11):1047-1052 (November 2001)						X			
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KR	Schlimenti et al., "Directed evolution of a recombinase for improved genomic integration at a native human sequence", Nucleic Acids Research, 29(24):5044-5051 (2001)						X			
LR	Bibikova et al., "Targeted Chromosomal Cleavage and Mutagenesis in Drosophila Using Zinc-Finger Nucleases", Genetics, 161:1169-1175 (July 2002)						X			
MR	Schneider et al., "A DNA-Binding Domain Swap Converts the Invertase Gin into a Resolvase", J. Mol. Biol., 295:767-775 (2000)						X			
NR	Sarkis et al., "A Model for the $\gamma\delta$ Resolvase Synaptic Complex", Molecular Cell, 9:623-531 (September 2001)						X			
OR	Yang et al., "Crystal Structure of the Site-Specific Recombinase $\gamma\delta$ Resolvase Complexed with a 34 bp Cleavage Site", Cell, 82:193-207 (July 28, 1995)						X			

Examiner	Date Considered:
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	